

PRA1 family protein 3 [Rattus norvegicus] - Protein result

Protein

Translations of Life

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PRA1 family protein 3 [Rattus norvegicus]

NCB: Reference Sequence NP_076462.1

EASTA SOURCE

Go to:

LOCUS NP_076462 **188 aa** **linear** ROD 30-APR-2010
DEFINITION PRA1 family protein 3 [Rattus norvegicus].
ACCESSION NP_076462
VERSION NP_076462.1 GI:13027426
DBSOURCE REFSEQ: accession NM_023972.3
KEYWORDS .
SOURCE Rattus norvegicus (Norway rat)
ORGANISM Rattus norvegicus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia;
 Sciurognathii; Muroidea; Muridae; Murinae; Rattus.
REFERENCE 1 (residues 1 to 188)
AUTHORS Maier,S., Reiterer,V., Ruggiero,A.M., Rothstein,J.D., Thomas,S.,
 Dahn,R., Sittler,H.H. and Farhan,H.
TITLE GTRAP3-18 serves as a negative regulator of Rab1 in protein
 transport and neuronal differentiation
JOURNAL J. Cell. Mol. Med. 13 (1), 114-124 (2009)
PUBMED 18363836
REMARK GeneRIF: Results suggest a model where protein trafficking and
 neuronal differentiation are directly linked by the interaction of
 Rab1 and its regulator GTRAP3-18.
REFERENCE 2 (residues 1 to 188)
AUTHORS Iao,F., Liaw,N.J., Zhang,B., Yaster,M., Rothstein,J.D., Johns,R.A.
 and Tao,Y.X.
TITLE Evidence of neuronal excitatory amino acid carrier 1 expression in
 rat dorsal root ganglion neurons and their central terminals
JOURNAL Neuroscience 123 (4), 1045-1051 (2004)
PUBMED 14751295
REMARK GeneRIF: The expression and distribution of the neuronal glutamate
 transporter, excitatory amino acid carrier-1 (EAAC1), are
 demonstrated in the dorsal root ganglion neurons and their central
 terminals.
REFERENCE 3 (residues 1 to 188)
AUTHORS Abdul-Ghani,M., Gougeon,P.Y., Prosser,D.C., Da-Silva,L.F. and
 Ngsee,J.K.
TITLE PRA isoforms are targeted to distinct membrane compartments
JOURNAL J. Biol. Chem. 276 (9), 6225-6233 (2001)
PUBMED 11096102
REFERENCE 4 (residues 1 to 188)
AUTHORS Lin,C.I., Orlov,I., Ruggiero,A.M., Dykes-Hoberg,M., Lee,A.,
 Jackson,M. and Rothstein,J.D.
TITLE Modulation of the neuronal glutamate transporter EAAC1 by the
 interacting protein GTRAP3-18
JOURNAL Nature 410 (6824), 84-88 (2001)
PUBMED 11242045
COMMENT PROVISIONAL REFSEQ: This record has not yet been subject to final
 NCBI review. The reference sequence was derived from AF240182.1.

 Summary: modifies glutamate transporter EAAC1 function by lowering
 EAAC1 substrate affinity; regulates glutamate transport [RGD].
FEATURES
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 ADP-ribosylation factor-like 6 interacting protein 5;
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 prenylated Rab acceptor protein 2; glutamate transporter
 EAAC1-interacting protein; ADP-ribosylation factor-like
 protein 6-interacting protein 5"
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 /coded_by="NM_023972.3:1..567"

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/db_xref="GeneID:56028"
/db_xref="RGD:706572"

ORIGIN

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121 vfvfgitfppl llmfihaalr lrnlknklen kmegiglkkt pmgilidale qgedsinkfa
181 dyiskare

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